

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"5741275".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:23
S4	13	(wyssmann adj max).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:26
S6	109	(winsel adj august).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:33
S7	2	"5836922".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:34
S8	14	("3430731"   "4671386"   "3308046"   "273836"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:36
S9	2	"4267836".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:38
S10	183	604/24.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:46
S11	138	604/143.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:48
S12	3	S11 and polyamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:54
S13	19	S11 and layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:56
S14	2	"4723958".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/22 18:58

S19	10	("4414298"   "4640445"   "5062834"   "5135499"   "5304128").PN. OR ("5741275").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 08:24
S22	190	604/140.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 09:10
S23	0	S22 and (diffusion adj coefficient)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 09:10
S24	6	S22 and polyamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 09:11
S25	15527	(diffusion adj coefficient)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 09:12
S26	248	S25 and "604".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 09:12
S27	1672	222/399.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:04
S28	228	S27 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:07
S30	94	("3416530"   "3618604"   "3630200"   "3632739"   "3896819"   "3916899"   "3961628"   "3977404"   "3980463"   "3993071"   "4008719"   "4014334"   "4014335"   "4034758"   "4036227"   "4077407"   "4111201"   "4111203"   "4135514"   "4142526"   "4186184"   "4200098"   "4247498"   "4256108"   "4290426"   "4326525"   "4327725"   "4439196"   "4475916"   "4519801"   "4519909"   "4522625"   "4609374"   "4615698"   "4624847"   "4627850"   "4652441"   "4657543"   "4673405"   "4681755"   "4692336"   "4693886"	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 10:12

		"4711782"   "4716031" "4717567"   "4720384" "4730013"   "4777049" "4786500"   "4806382" "4832957"   "4839177" "4861627"   "4865846" "4877618"   "4882150" "4889720"   "4891223" "4898733"   "4913906" "4927687"   "4952402" "4994273"   "5028435" "5091185"   "5098443" "5141752"   "5378475" "5435998"   "5665373").PN. OR ("5902598").URPN.				
S31	291	(multi adj layer adj wall)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 10:27
S32	34	S31 and diffusion	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 10:30
S33	1785	428/36.91.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:38
S34	186	S33 and transparent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:38
S35	66	S34 and polyamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:39
S36	146	S33 and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:40
S37	45	S36 and (transparent or clear or translucent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:40
S38	2	"5464106".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/09/23 10:46

S40	87	( "3224043"   "3305528"   "3317471"   "3395118"   "3482284"   "3719735"   "3813198"   "3819314"   "3869056"   "3878282"   "3947176"   "3966378"   "4040233"   "4061705"   "4065246"   "4079851"   "4092391"   "4145392"   "4149645"   "4375947"   "4376090"   "4438254"   "4480082"   "4515836"   "4538542"   "4540543"   "4578295"   "4604258"   "4646925"   "4647648"   "4715504"   "4741936"   "4755404"   "4830811"   "4937130"   "4940616"   "4956143"   "4980211"   "5094793"   "5115075"   "5134218"   "5143998"   "5188787"   "5202074"   "5275853"   "5300541"   "5354532"   "5443378"   "5443766"   "5464106"   "5472753"   "5489455"   "5491204"   "5508076"   "5509965"   "5540878"   "5551858"   "5582788"   "5599494"   "5628950"   "5628957"   "5651933"   "5652034"   "5688570"   "5688572"   "5728439"   "5731094"   "5759654"   "5772056"   "5804305"   "5906285" "5927525").PN. OR ("6312641").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 11:48
S41	55	S40 and gas	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 11:48
S42	10	S40 and diffusion	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/23 11:48
S43	8	( "3577230"   "4743479"   "4774047").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/12 09:30
S44	437	604/140,141.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/12 09:35
S45	1	S44 and (diffusion with coefficient)	US-PGPUB; USPAT	OR	ON	2009/06/12 10:18

S46	1726	diffusion with coefficient with gas	US-PGPUB; USPAT	OR	ON	2009/06/12 10:21
S47	1298	S46 and layer	US-PGPUB; USPAT	OR	ON	2009/06/12 10:21
S48	106	S46 with layer	US-PGPUB; USPAT	OR	ON	2009/06/12 10:21
S49	92	S46 and piston	US-PGPUB; USPAT	OR	ON	2009/06/12 10:24
S50	0	S44 and evoh	US-PGPUB; USPAT	OR	ON	2009/06/12 10:39
S51	74374	"604".clas.	US-PGPUB; USPAT	OR	ON	2009/06/12 10:39
S52	173	S51 and evoh	US-PGPUB; USPAT	OR	ON	2009/06/12 10:39
S53	129	S52 and (polyester or PET)	US-PGPUB; USPAT	OR	ON	2009/06/12 10:40
S54	50	S53 and transparent	US-PGPUB; USPAT	OR	ON	2009/06/12 10:40
S55	13103	diffusivity	US-PGPUB; USPAT	OR	ON	2009/06/12 11:00
S56	245	S55 and "604".clas.	US-PGPUB; USPAT	OR	ON	2009/06/12 11:01
S57	1524	gas with diffusivity	US-PGPUB; USPAT	OR	ON	2009/06/12 11:02
S58	655	S57 and (container or reservoir or bottle)	US-PGPUB; USPAT	OR	ON	2009/06/12 11:02
S59	1012	S57 and layer	US-PGPUB; USPAT	OR	ON	2009/06/12 11:02
S60	84	S59 and piston	US-PGPUB; USPAT	OR	ON	2009/06/12 11:02
S61	1	"7344767".pn.	US-PGPUB; USPAT	OR	ON	2009/06/12 11:04
S62	0	S44 and diffusivity	US-PGPUB; USPAT	OR	ON	2009/06/12 11:04
S63	63	S44 and permeab\$5	US-PGPUB; USPAT	OR	ON	2009/06/12 11:04
S64	1	"5464106".pn.	US-PGPUB; USPAT	OR	ON	2009/06/12 11:10
S65	1	"4646925".pn.	US-PGPUB; USPAT	OR	ON	2009/06/12 11:11
S66	5119	transpare\$2 with ethylene	US-PGPUB; USPAT	OR	ON	2009/06/12 11:38
S67	125	S66 and evoh and pet	US-PGPUB; USPAT	OR	ON	2009/06/12 11:38
S68	1	"5363890".pn.	US-PGPUB; USPAT	OR	ON	2009/06/12 12:14

S69	929	604/140-148.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:09
S70	47	S69 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:09
S71	776	"604".clas. and (piston or plunger) and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:43
S72	256	S71 and (polyamide or evoh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:43
S73	55	S72 and pet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:44
S74	2	"20090259183"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:48
S75	67	("20010041869"   "20020022855"   "20030125672"   "20030212364"   "20040002682"   "20040073095"   "20050065760"   "20060264894"   "20080051697"   "20080051698"   "20080051709"   "20080051710"   "20080051711"   "20080051714"   "20080051716"   "20080051727"   "20080051738"   "20080051765"   "20080077081"   "20080097291"   "20080097321"   "20080097326"   "20080097327"   "20080097328"   "20080097375"   "20080097381"   "6088608"   "6119028"   "6589229"   "6740072"   "6827702"   "7318816"   "7323142"   "7455663").	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:49

		PN.				
S76	2	"20090103944"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:51
S77	46	lubricant and (hydrogen adj diffusion) and layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:52
S78	17813	lubricant and diffusion and layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:56
S79	1376	S78 and (polyamide or evoh) and pet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:57
S80	75	S79 and (piston or plunger)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:57
S81	8	("20040149759"   "20050205418"   "20060141184"   "20070060865").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 14:59
S82	4	("4510115"   "5763028"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 15:01
S83	410	220/586.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 15:20
S84	22	S83 and diffusion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 15:20
S85	2	"20090038888"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 15:24
S86	48	("3023461"   "3082484"   "3325860"   "3409710"   "3457337"   "3535409"   "3655084"   "3792144"   "3817417"   "3851029"   "3919374"   "4079850"   "4131211"   "4176153"   "4217161"   "4239726"   "4265693").PN. OR ("4510115").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:32

S87	12	(hydrogen adj barrier adj layer) and (receptacle or container or vial or bottle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:35
S88	751	(diffusion adj barrier adj layer) and (receptacle or container or vial or bottle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:36
S89	465	S88 and hydrogen	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:36
S90	45	S89 and polyamide	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:36
S91	392	220/586.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:44
S92	70	S91 and hydrogen	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:45
S93	25	S91 and polyamide	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:47
S94	189	"220".clas. and polyamide and pet	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 15:55
S95	0	"60246834".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:05
S96	0	"200060246834"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:05
S97	12	(share adj paul).in. and polyamide	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:06
S98	22	("20020022099"   "20040068055"   "4284671"   "4501781"   "4764403"   "4952628"   "4971864"   "5034252"   "5068136"   "5069946"   "5077111"   "5110855"   "5194306"   "5281360"   "5641825"   "5759653"   "5866649"   "6423776"   "6641774"   "6759107"   "6777479"   "6933055"). PN. OR ("7560151"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:08
S99	112	("3686069"   "4066587"   "4145372"   "4217435"   "4398642").PN. OR ("4501781").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:11



S100	64	("2715980"   "2732977"   "3040933"   "3118572"   "3161327"   "3178062"   "3239102"   "3409714"   "3592360"   "3727783"   "3765574"   "3876119"   "3940001"   "3945539"   "4008830"   "4008831"   "4286636"   "4350272"   "4463875"   "4482588"   "4484697"   "4501781"   "4550043"   "4609516"   "4646925"   "4696840"   "4723688"   "4796788"   "4881666"   "4892230"   "4921135"   "4966543"   "4972969"   "4979631"   "4980100"   "5037002").PN. OR ("5344045").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:16
S101	1632	"220".clas. and hydrogen	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:21
S102	195	S101 and polyamide	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/13 16:21
S103	2	"7549555".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/12/13 16:45

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